



MATERIAL SAFETY DATA SHEET
 VERTELLUS SPECIALTIES INC.

PRODUCT INFORMATION

PRODUCT NAME: Low BP Coal Tar Distillate CHEMICAL NAME: Tar oils, coal DOT NUMBER: NA3082 IMO NUMBER: UN3082

PRODUCT NUMBER: not assigned SYNONYMS: Front End Oil in Water (10 to 30% oil)

MANUFACTURERS NAME: Vertellus Specialties Inc. CAS NUMBER: See Section II. MOLECULAR WEIGHT: Not available

ADDRESS: 300 North Meridian Street CHEMICAL FORMULA: 10 to 30% mixture of tar oils in water
 Suite 1500
 Indianapolis, Indiana 46204 USA PRODUCT USE: Raw material

EMERGENCY TELEPHONE NUMBER: 317-247-8141 HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0

SUPPLIER INFORMATION: Vertellus Specialties Inc. HAZARD CODE{ 0 = NONE; 1 = SLIGHT; 2 = MODERATE; 3 = SEVERE; 4 = EXTREME}

HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	CONCENTRATIONS (%)	EXPOSURE LIMITS		LD 50 (ORAL)/LC 50
			OSHA PEL	ACGIH TLV	
Front End Oil	65996-82-9	10 to 30	Not established	Not established	No data / No data
Expected to be present:					
Acenaphthene	83-32-9	0.0 to 5.0	Not established	Not established	No data / No data
Anthracene	120-12-7	0.0 to 2.0	Not established	Not established	430 mg/kg * / No data
Methylnaphthalene	1321-94-4	0.2 to 2.0	Not established	Not established	No data / No data
Naphthalene	91-20-3	2.0 to 12.0	10 ppm TWA	10 ppm TWA	490 mg/kg / No data
Phenanthrene	85-01-3	0.6 to 2.6	Not established	Not established	700 mg/kg * / No data
1,2,4-Trimethylbenzene	95-63-6	0.0 to 1.0	Not established	Not established	5 gms/kg / 18g/cu.m/4H
Dibenzofuran	132-64-9	0.0 to 1.0	Not established	Not established	No data / No data
Dimethylnaphthalene	573-98-8	0.0 to 6.0	Not established	Not established	No data / No data
Fluorene	86-73-7	0.0 to 3.0	Not established	Not established	No data / No data
Mixed Cresols	1319-77-3	0.0 to 6.0	Not established	Not established	207 mg/kg/>710 mg/m3/1h
Phenol	108-95-2	0.0 to 3.0	5 ppm (skin)	5 ppm (skin)	317 mg/kg / 316 mg/m3
(see Sec. IX for others)					

PHYSICAL DATA

PHYSICAL STATE: SOLID LIQUID X GAS pH: 6 to 8.25 VAPOR PRESSURE: < 5 mm Hg

ODOR & APPEARANCE: Brown to black oily liquid with aromatic odor FREEZING POINT: Not available SPECIFIC GRAVITY: 1.00 @ 20 C

ODOR THRESHOLD: Not available SOLUBILITY (WATER): Miscible to slightly soluble

DENSITY: 8.5 - 8.7 lb/gal MELTING POINT: Not applicable EVAPORATION RATE: Not available VAPOR DENSITY: > 1.0

BOILING POINT: 100 C - 150 C COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

REACTIVITY DATA

PHYSICAL (REACTIVITY) HAZARD WARNING: Not applicable

STABLE: Yes IF NO, UNDER WHICH CONDITIONS:

INCOMPATIBILITIES: None known

REACTIVE: No IF YES, UNDER WHAT CONDITIONS:

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable

Low BP Coal Tar Distillate

*****> FIRE AND EXPLOSION HAZARDS <*****

* PHYSICAL HAZARD WARNING: Combustible Liquid SENSITIVITY TO > STATIC DISCHARGE: No ; MECHANICAL IMPACT: No *
*
* FLAMMABLE: No IF YES, UNDER WHICH CONDITIONS: *
*
S *
E * FLASHPOINT (METHOD): est. >165 F PMCC FLAMMABLE LIMITS (% BY VOL.): UEL: Not available LEL: Not available *
C *
T * AUTO IGNITION TEMPERATURE: Not available *
I *
O * HAZARDOUS COMBUSTION PRODUCTS: Irritating and/or toxic fumes may be released if this material is burned. *
N *
* MEANS OF EXTINCTION: Water, CO2, dry chemical, foam. Direct water spray or foam on material in confined container may *
V * cause extensive foaming. *
*
* UNUSUAL FIRE/EXPLOSION HAZARDS: Water spray can control unconfined tar fires, but may cause frothing or eruption in closed *
* tanks. *
*
* SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective equipment. Normal *
* firefighting procedures may be used. Skin contact and/or breathing of vapors should be *
* avoided. *

*****> TOXICOLOGICAL PROPERTIES <*****

* HEALTH HAZARD WARNING: Carcinogen. Irritant. Sensitizer. *
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* ROUTES OF ENTRY > SKIN CONTACT: X SKIN ABSORPTION: X EYE CONTACT: X INHALATION: X INGESTION: X *
*
* EFFECTS OF ACUTE EXPOSURE: Coal tar vapors are irritating to the skin, eyes and respiratory tract. Direct skin contact *
* and/or high vapor concentrations may cause burning and itching, changes in pigmentation, and *
* skin eruptions. Direct eye contact may cause inflammation, discomfort, conjunctivitis, possible *
* cataracts, and possible abrasions of the cornea. In general, acute oral toxicity is expected to *
* be moderate, but ingestion is not likely to be a primary route of exposure. Symptoms of *
* systemic poisoning after ingestion may include nausea, salivation, vomiting, respiratory *
* difficulties, dizziness, headache, loss of pupillary reflex, cyanosis, hypothermia, and mild *
* convulsions. Symptoms seen after inhalation overexposures are expected to be similar to the *
S * symptoms previously listed. OSHA PEL and ACGIH TLV exposure limit for coal tar pitch volatiles *
E * is 0.2 mg/cubic meter. *
C *
T * IRRITANCY OF PRODUCT: Skin/eye irritant. SENSITIZATION TO PRODUCT: May cause photosensitization. *
I *
O * EFFECTS OF CHRONIC EXPOSURE: High vapor concentrations or chronic exposure to levels above exposure limits may lead to *
N * systemic symptoms (see above). Prolonged or repeated contact may lead to dermatitis and with *
* poor hygienic practices, to skin cancer. *
VI *
*
*
* CARCINOGEN: X REPRODUCTIVE EFFECTS: } BRIEF DESCRIPTION: Prolonged or repeated skin contact, along with poor *
* } hygienic practices, may lead to skin cancer. This mixture *
* TERATOGENICITY: MUTAGENICITY: X } has been found to be positive in the Ames test for *
* } mutagenicity. *
* SYNERGISTIC MATERIALS: None known *
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* MEDICAL CONDITIONS AGGRAVATED: Persons with pre-existing skin disorders may be at increased risk from overexposure. *
* Exposure to vapors may aggravate pre-existing lung conditions. *
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Low BP Coal Tar Distillate

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*=====> FIRST AID MEASURES <=====
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* SKIN: Wash exposed area twice with waterless hand cleaner, soap and water, or a mild detergent. Do not use solvents on
* skin, as they may promote absorption of this material. The exposed area should be examined by medical personnel if
* irritation or pain persists after washing.
*
*
* EYE: Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. GET
S * MEDICAL ATTENTION.
E *
C *
T * INHALATION (BREATHING): Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial
I * respiration. Keep affected person warm and at rest. Give oxygen if respiration is shallow. GET
O * MEDICAL ATTENTION.
N *
VII * INGESTION (SWALLOWING): If conscious induce vomiting to prevent further absorption. Give oxygen if respiration is shallow.
* GET MEDICAL ATTENTION. Do not give anything by mouth to an unconscious person.
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* DECONTAMINATION PROCEDURES: Use emergency shower if available. Remove all contaminated clothing to prevent further
* absorption. Wash all clothing and exposed skin twice with soap and water. Leather shoes that
* have been saturated should be discarded.
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=====> PREVENTIVE MEASURES <=====
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* <PERSONAL PROTECTIVE EQUIPMENT> GLOVES (SPECIFY): Impervious gloves FOOTWEAR (SPECIFY): Impervious boots
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* EYE (SPECIFY): Chemical goggles or faceshield where necessary CLOTHING (SPECIFY): Impervious clothing
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* RESPIRATORY (SPECIFY): NIOSH approved chemical cartridge respirator with organic vapor cartridges and dust pre-filter, or
* any supplied air respirator as necessary for protection from coal tar pitch volatiles.
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* OTHER (SPECIFY): Application of certain protective creams for coal tar products and sunscreens (SPF at least 15) before and
* during work may be beneficial in reducing the risk of overexposure.
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* PERSONAL HYGIENE PRACTICES: Contact lenses should not be worn when handling this material. Do not smoke or eat in areas
* where this material is handled. Wash hands thoroughly before eating or smoking. A complete
* soap and water shower should be taken at the end of each work day. Contaminated work clothes
* should not be reworn until cleaned.
S * ENGINEERING CONTROLS: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should
E * be provided.
C *
T * LEAK AND SPILL PROCEDURE: Remove all ignition sources. Ventilate area of spill or leak. Material can be collected for
I * later disposal. Wear protective equipment during clean-up. After collection of material, flush
O * area with water.
N *
* WASTE DISPOSAL METHOD: Dispose of the material in accordance with standard practice for disposal of potentially hazardous
VIII * materials as required by applicable federal, state, or local laws. Wear protective equipment as
* necessary.
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* HANDLING PROCEDURES AND EQUIPMENT: Protect containers against physical damage. Wear protective equipment when performing
* maintenance on contaminated equipment.
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* STORAGE REQUIREMENTS: Outside or detached storage is preferable. Maintain dry ventilated conditions for storage. Keep
* away from strong oxidizing agents.
* SPECIAL SHIPPING INFORMATION: DOT: Other Regulated Substance, Liquid, n.o.s., 9, NA3082, PG III, RQ (contains Naphthalene
* and Benzene), Marine Pollutant (contains Naphthalene).
* IMO: Environmentally Hazardous Substance, Liquid, n.o.s., Class 9, UN3082, PG III, RQ
* (contains Naphthalene and Benzene), Marine Pollutant (contains Naphthalene).
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